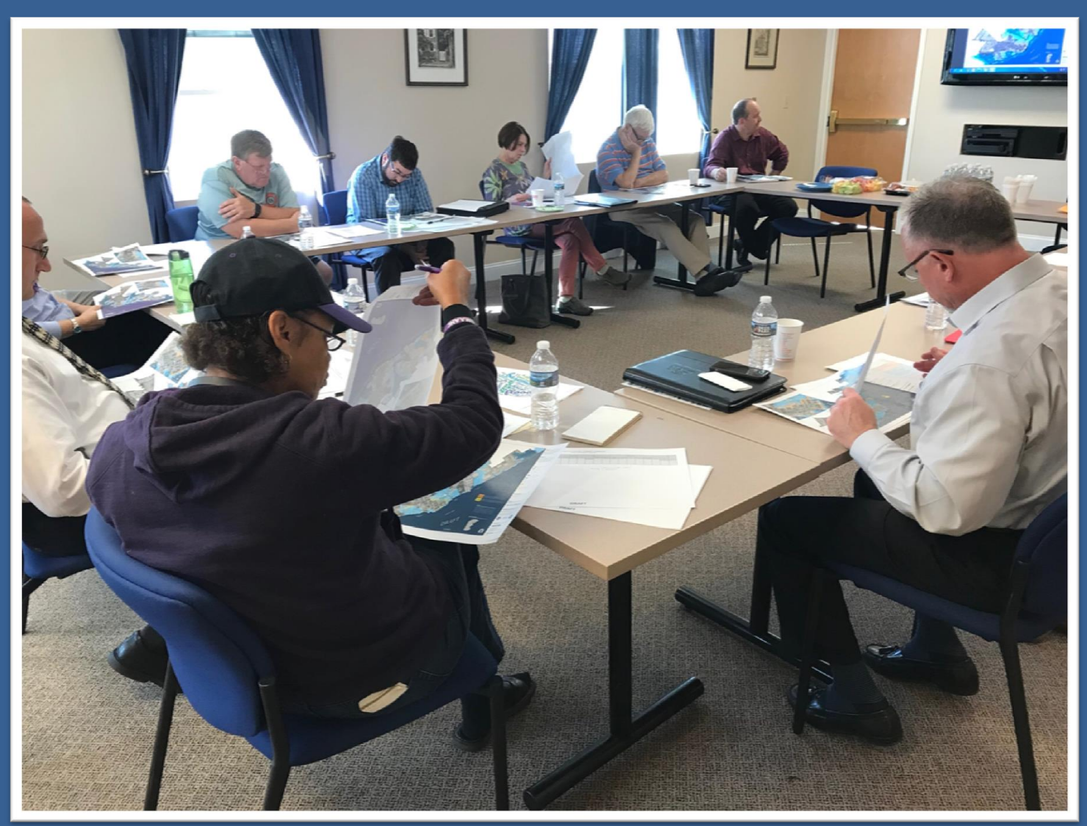
Short Term Adaptation Options

Planning

- Identify areas where cars can be parked in advance of likely flooding events
- Guide growth away from vulnerable areas
- Update the City's Emergency Operations Plan

Community Engagement

- Continue the Flood Preparedness Task Force's leadership on City preparedness
- Improve the City's FEMA Community Ratings System (CRS) status
- Designate City community resilience specialists for outreach and technical assistance



- Help homeowners reduce costs of flood insurance
- Hold annual community outreach event on emergency preparedness
- Provide resources for City residents & stakeholders to determine vulnerabilities and develop mitigation options
- Encourage area schools to prepare lessons on emergency preparedness

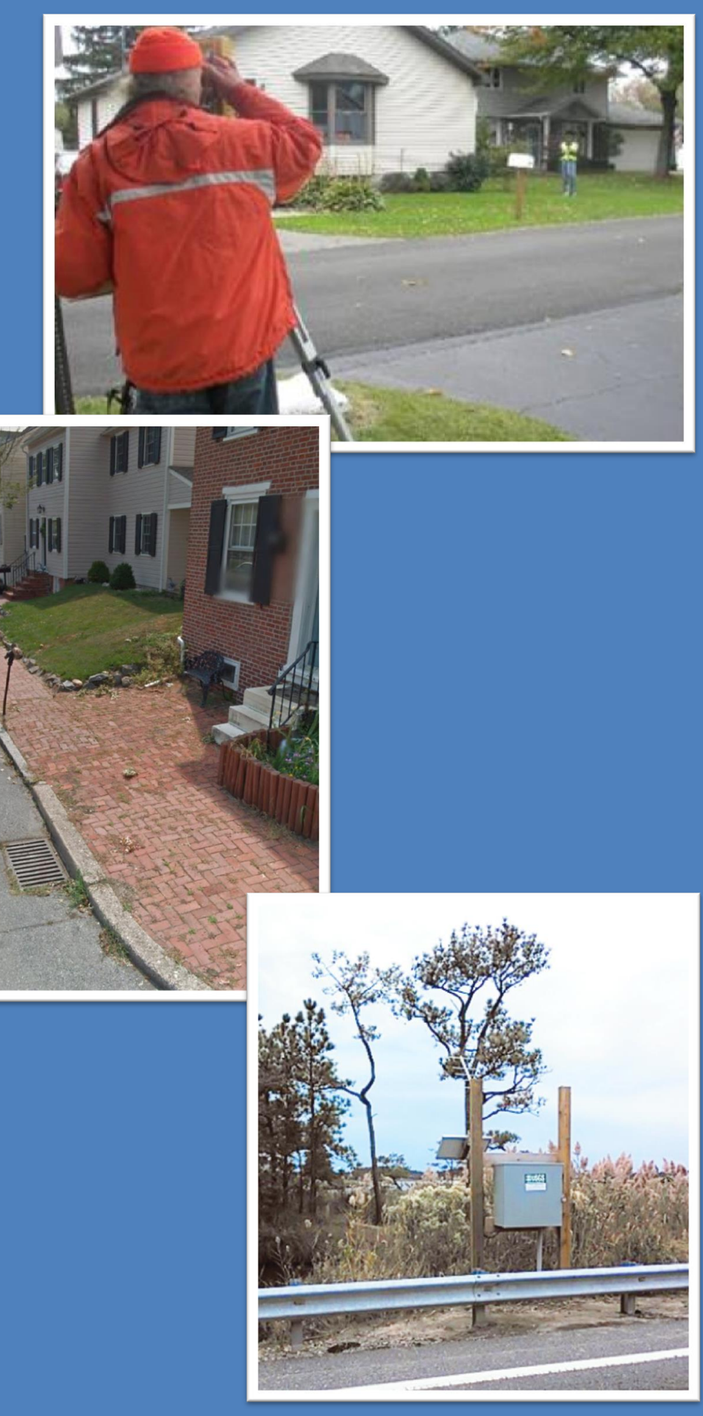
Regulatory & Economic

- Ensure city codes do not prohibit additional flood protection practices and minimize future hazards
- Provide incentives to property owners to implement flood management strategies
- Perform economic analysis of benefit/cost ratio of adaptation options

Decision Support Activities

Data Collection

- Determine ground floor elevations of vulnerable public and private structures for precise understanding of future flooding impacts
- Survey drainage inlets and outfall configurations to complete inventory of water conveyance structures' capacity
- Study potential impacts to City's wildlife and ecosystems from flooding
- Install water surface elevation sensors to help predict roads or other areas likely to be flooded



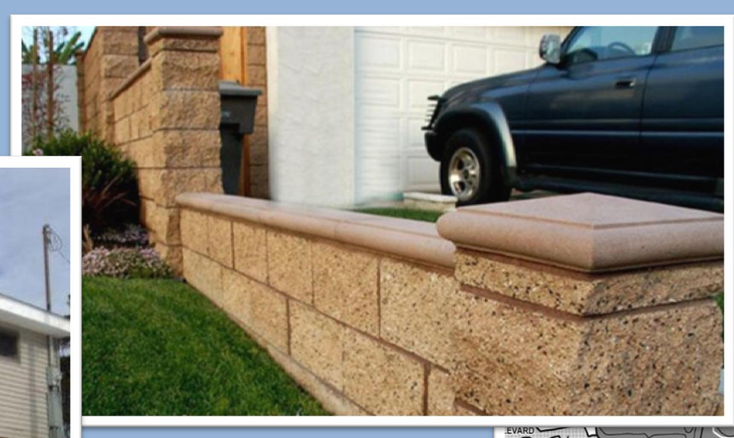
Modeling

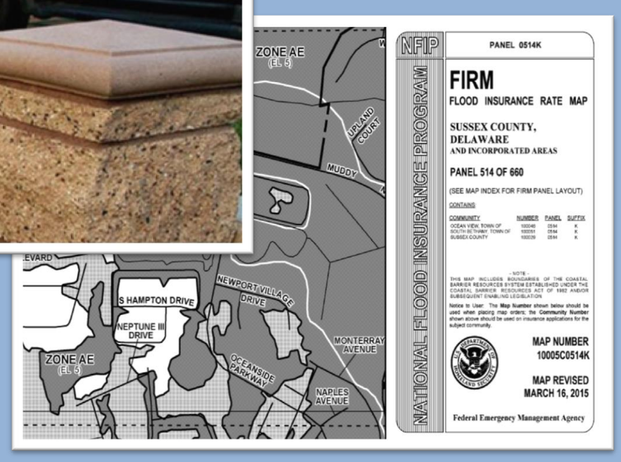
- Perform modeling of coastal storms to more accurately model impacts from various sea level rise scenarios and waves
- Perform modeling of storm drainage systems to determine incidents of localized flooding from drain constraints and capacity issues
- Perform groundwater modeling to determine changes to elevations and extents of inward migration of saltwater resulting from sea level rise.

Long Term Options

Infrastructure

- Raise dikes and/or add additional dikes at Battery Park and The Strand to provide better protection to river flooding
- Raise or protect roads to secure emergency access routes

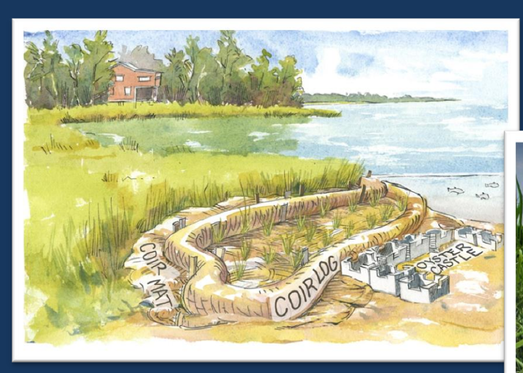




- Raise or flood proof select public structures
- Increase storm sewer system and floodplain storage capacities

Natural Resources

- Anchor shorelines and/or install wave attenuation devices to protect from erosion
- Restore and conserve wetland areas to increase City water storage capacity
- Increase green infrastructure throughout the City (e.g. Delaware Street redesign



Acquisition

- Lessen the risk and improve the resilience of properties clearly vulnerable to repeated, future flood inundation through land acquisition that maximizes community benefits, habitat connectivity, and resilience